

Notice of Allowability

Applicati n No.

09/164,123

Examiner

Julio J. Maldonado

Applicant(s)

MAYER, ALBRECHT

Art Unit

2823

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to response filed on 08/07/2003.
2. ☒ The allowed claim(s) is/are 1-11 and 16-20.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
 - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☒ hereto or 2) ☐ to Paper No. _____.
 - (b) ☐ including changes required by the proposed drawing correction filed _____, which has been approved by the Examiner.
 - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1 <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2 <input checked="" type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____ |
| 3 <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No. _____ | 7 <input type="checkbox"/> Examiner's Amendment/Comment |
| 4 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9 <input type="checkbox"/> Other |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments see pages 11 and 12, filed 08/07/2003, with respect to claims 1 and 8 have been fully considered and are persuasive. The rejection of claims 1-11 and 16-20 has been withdrawn.

Allowable Subject Matter

2. Claims 1-11 and 16-20 are allowed.
3. The following is an examiner's statement of reasons for allowance:

The prior art of record, Kuriyama to U.S. 5,682,057 teaches in Figs.1-4 and related text a method to form a fuse structure including providing a first integrated circuit chip (7, 8) having a terminal (12) and a signal terminal (11); forming an electrically conductive connection (10) between the terminal (12) and the signal terminal (11) of the first integrated circuit chip (7, 8); providing a second integrated circuit chip (3) having a terminal (3c) that is coupled to the first integrated circuit chip (7, 8); disposing the first integrated circuit chip (7, 8) and the second integrated circuit chip (3) adjacent one another; electrically joining the signal terminal (11) of the first integrated circuit (7, 8) to the terminal (3c) of the second integrated circuit chip (3), wherein said joining comprises using an electrically conductive material; connecting the terminal (12) of the first integrated circuit chip (7, 8) to a terminal (5) of a package (17); and subsequent to connecting the terminal (12) of the first integrated circuit chip (7, 8) to the terminal (12) of the package (17), severing the electrically conductive connection (10) between the terminal (12) and the signal terminal (11) of the first integrated circuit chip (7, 8) using

an energy pulse (column 2, line 64 – column 5, line 61). Kuriyama also teach providing a protective structure that becomes conductive to dissipate electrostatic discharge (column 5, lines 51 – 61).

Kuriyama fails to teach providing the second integrated circuit chip having a terminal that is coupled to the protective structure

Hatanaka to U.S. 5,587,598 teaches in Figs.1-5 and related text a method to form a fuse structure including providing a protective structure (23, 24) that becomes conductive to dissipate electrostatic discharge; and providing an integrated circuit chip having a terminal (10) that is coupled to the protective structure (23, 24) (column 3, line 5 – column 4, line 67).

However, the two references teach fuses that have different purposes and because of these differences, one of ordinary skill in the art would not combine the references as argued by the applicants.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. Papers related to this application may be submitted directly to Art Unit 2823 by facsimile transmission. Papers should be faxed to Art Unit 2823 via the Art Unit 2823 Fax Center located in Crystal Plaza 4, room 3C23. The faxing of such papers must conform to the notice published in the Official Gazette, 1096 OG 30 (15 November


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Art Unit: 2823

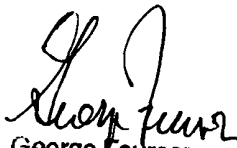
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1989). The Art Unit 2823 Fax Center number is **(703) 305-3432**. The Art Unit 2823 Fax Center is to be used only for papers related to Art Unit 2823 applications.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Julio J. Maldonado** at **(703) 306-0098** and between the hours of 8:00 AM to 4:00 PM (Eastern Standard Time) Monday through Friday or by e-mail via julio.maldonado@uspto.gov. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Olik Chaudhuri, can be reached on (703) 306-2794.

Any inquiry of a general nature or relating to the status of this application should be directed to the **Group 2800 Receptionist** at **(703) 308-0956**.


JMR
11/13/03


George Fourson
Primary Examiner